

HELIPOT®

LOW-COST INDUSTRIAL SERVOAMPLIFIER AND POWER SUPPLY

Helipot Model 954 servoamplifier and Model 981 power supply are ideal components for industrial servo systems where high performance at low cost is required. Single-unit price for each is only \$50.00. Both units are specifically designed as companion pieces for Helipot d-c motor-pots*. By combining an amplifier and power supply with a standard Helipot d-c motor-pot, command pot and dial, a simple servo system can be built for less than \$170.00.

Model 954 servoamplifier is a solid-state d-c unit designed for use with the Model 981 power supply. Amplifier gain is settable from 200 to 300 volts per volt by using a resistor between the feedback (terminal #4) and ground (terminal #5). Error signal input to the amplifier may be from a command potentiometer or from any d-c transducer with adequate output. Packaged on a printed circuit board, the amplifier measures 1.5" x 2.5" and is available with either three mounting standoffs (Model 954-1) or plug-in connector (Model 954-2).

Model 981 power supply operates from a 115 volt, 60 Hz line supply and provides both a +6 volt and -6 volt output for the amplifier. This 1.625" high unit is constructed on a printed circuit board measuring 3.0" x 2.5" and has four tapped standoffs for mounting.

* Specifications for the d-c motor-pots are contained in Helipot Data Sheet 66271-A.

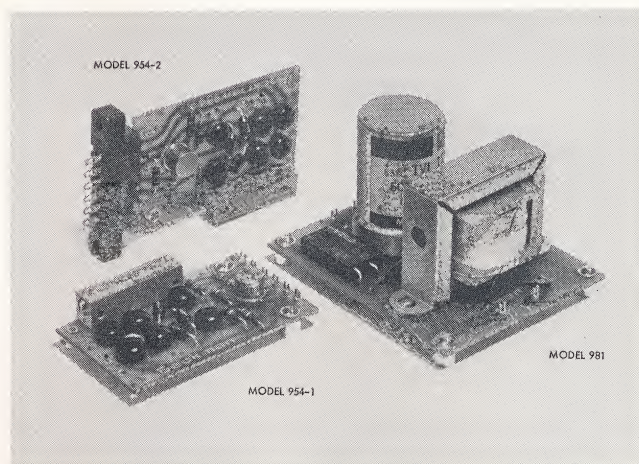
SPECIFICATIONS

Model 954 servoamplifier

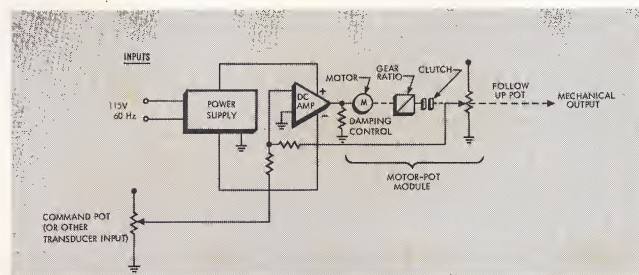
Input, d-c +6 and -6 volts
Signal input, d-c 0 to ± 2 volts
Input impedance 2,000 ohms
Gain, nominal 200
Output, max., d-c 0 to ± 6 volts
Output impedance 40 ohms
Weight 0.7 oz.

Model 981 power supply

Input 115 volts, 60 Hz
Power output, d-c +6 and -6 V,
150 ma each side
Weight 7 oz.



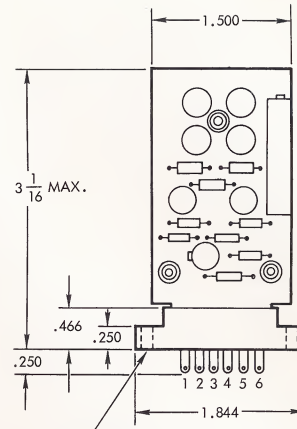
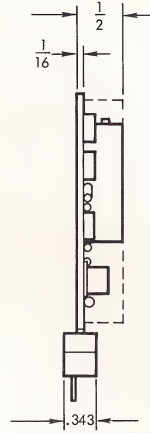
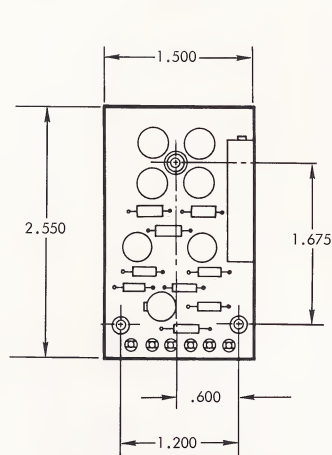
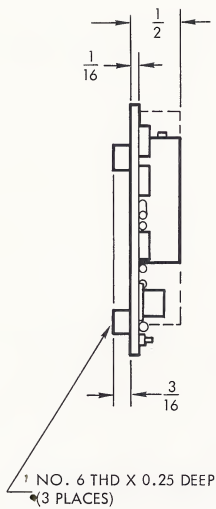
Typical Servo System Using Standard Helipot Components



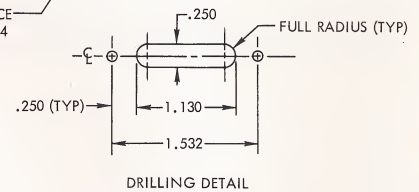
PRICE

Quantity	Servoamplifier Model 954	Power Supply Model 981
1	\$50.00	\$50.00
2-4	45.00	45.00
5-9	42.50	42.50
10-24	41.00	41.00
25-49	39.75	39.75
50-99	38.50	38.50
100-up	Factory Quote	Factory Quote

MODEL 954 SERVOAMPLIFIER

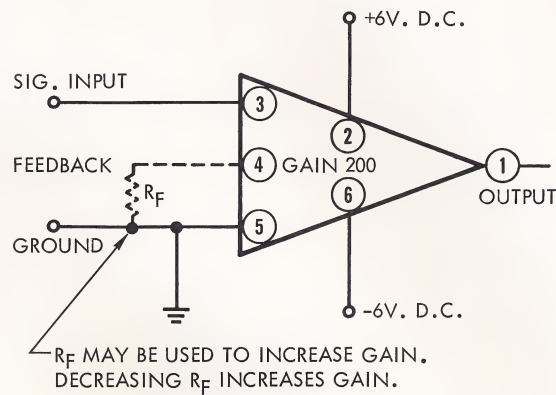


CLEARANCE
FOR NO. 4
SCREW



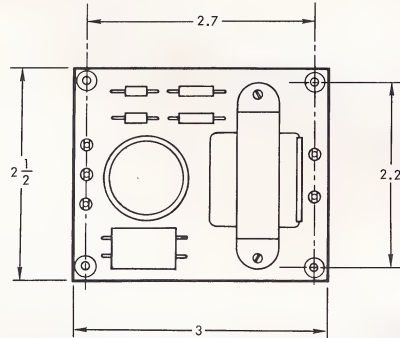
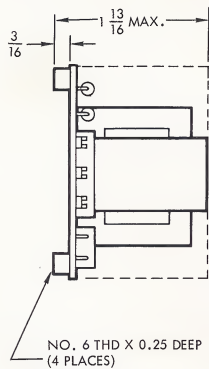
MODEL 954-1

MODEL 954-2



TERMINAL IDENTIFICATION

MODEL 981 POWER SUPPLY



MODEL 981



TERMINAL IDENTIFICATION

Beckman

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